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UNITED STATES PATENT OFFICE.

PATRICK G. NAGLE, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN COMPOSITIONS FOR MAKING BOOTS AND SHOES WATER-PROOF.

Specification forming part of Letters Patent No. 125, dated February 10, 1837.

To all whom it may concern:

Be it known that I, PATRICK G. NAGLE, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have discovered a new and useful Composition for Rendering Boots and Shoes Water-Proof, which is described as follows:

Take two pounds of balsam-copaiba, five pounds of the essence of the myrtle-tree, one pound of gum-copal, two pounds of rosin, three pounds of rendered suet. Cut all the hard substances into small particles. Put the whole into a large vessel and let the admixture boil for a few minutes until the ingredients become well incorporated together and converted into a paste.

Mode of application: When the boots are crimped, and while wet on the crimping boards, lay on the paste, (it being warm at the time of applying the same.) In this state it will pene-

trate every part of the leather as it dries. The above is for the leg part of the boot. The following is for the bottom part of the boot: Take the above in a dissolved state, or a part of it, and apply a sufficient quantity of rosin, so as to make it into a thick paste, (the rosin to be melted.) Then lay it on in the usual way in which the workman puts on paste after sewing on the welt. In this manner the inner sole becomes prepared to resist water as well as the outer sole.

The discovery claimed by the subscriber, and by him desired to be secured by Letters Patent, consists in—

The before-described composition for rendering boots and shoes water-proof.

PATRICK G. NAGLE.

Witnesses:

W. THOMPSON,
WM. P. ELLIOT.